

N° 18,527



A.D. 1913

*(Under International Convention.)*

Date claimed for Patent under Patents and Designs  
Act, 1907, being date of first Foreign Appli- } 17th Dec., 1912  
cation (in Germany),

Date of Application (in the United Kingdom), 14th Aug., 1913

At the expiration of twelve months from the date of the first Foreign Appli-  
cation, the provision of Section 91 (3) (a) of the Patents and Designs Act,  
1907, as to inspection of Specification, became operative

Accepted, 29th Jan., 1914

#### COMPLETE SPECIFICATION.

##### Improvements in Curling Tongs for the Hair.

I, LOUISE FREY, of 26, Görrestrasse, München, in the Empire of Germany, Hairdresser, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 This invention relates to improvements in curling tongs of the kind in which the curling members or arms of same are heated by means of electrical resistance devices fitted therein.

According to the present invention the two halves of the curling tongs are each fitted with an upright tube in which is arranged an electrical heating device, and  
0 the actual curling members of the tongs, comprising undulating parts, are rigidly or rotatably, and, if desired, removably mounted on said tubes.

The invention is hereinafter described with reference to the accompanying drawings which show a convenient construction of the tongs. In said drawings:—

15 Figure 1 is an elevation;

Figure 2 is a detail sectional view; and

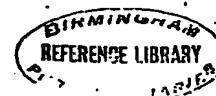
Figure 3 is a section on the line A—B of Figure 1.

In the form of construction shown the two arms 3, 4 having handles 1 and 2 are terminated above the pivot 5 by two lugs 9. and 10, and two cylindrical  
10 tubes 11 and 12 are fastened to these two lugs. Wires 13, 14 for supplying electric current are provided in the downwardly open tubes 11 and 12 and conduct current to suitable electrical resistances fitted in said tubes. Each of the wires 13, 14 are connected to a plug contact (not shown) of usual construction, which can be inserted in any contact piece. The tubes 11, 12 are closed at the  
15 top by screw caps 15, 16.

The tubes serve as supports for the actual undulating curling members which can, for instance, be fastened rigidly to the tubes. The tongs are then used in the ordinary way by gripping the hair between the undulating curling members and turning the tongs. The curling members may be changeable and

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*Frey's Improvements in Curling Tongs for the Hair.*

vary considerably as to their shape, so as to permit of obtaining various undulations according to the desire of the person concerned.

The undulating curling members can, however, be mounted on the tubes 11, 12 so as to turn freely thereon. They are then for instance formed as gear-wheels 17, 18 meshing in each other, as shown in the drawing. In this case, one of the wheels, or generally one of the freely turning undulating members, is preferably fitted with a sleeve 19 having a knurled knob 20 to enable the members to be rotated by the fingers. The rotating device is, as shown in the drawing, always most advantageously arranged on the prolongation of the axis of the tube.

When using freely turning undulating curling members the tongs are held tight, and the hair after being gripped between the two operative members, is drawn through them by rotating the latter and thus waved. The kind of waving depends in this case also entirely upon the shape of the curling members. The pressure necessary for undulating or curling can be increased or decreased according to the kind of hair; all that is required for this, is to press the curling members more or less tight together.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. Curling tongs of the kind described, characterised in that the halves of the tongs are fitted with upright tubes in which are arranged the electrical heating devices, and that rigid or rotating undulating curling members are mounted on said tubes.

2. Curling tongs as claimed above, in which the undulating curling members are rotatable, are of gear-wheel shape and intermesh with one another for the purposes described.

3. Curling tongs as claimed in the preceding claim, in which one of the curling members is fitted at its end with a device to enable the two members to be rotated by the fingers.

4. Curling tongs as claimed above, in which the curling members are removably and changeably mounted on the tubes.

5. The improved curling tongs constructed substantially as described with reference to the accompanying drawings.

Dated this 14th day of August, 1913.

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Agents for the Applicant.

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[This Drawing is a reproduction of the Original on a reduced scale.]

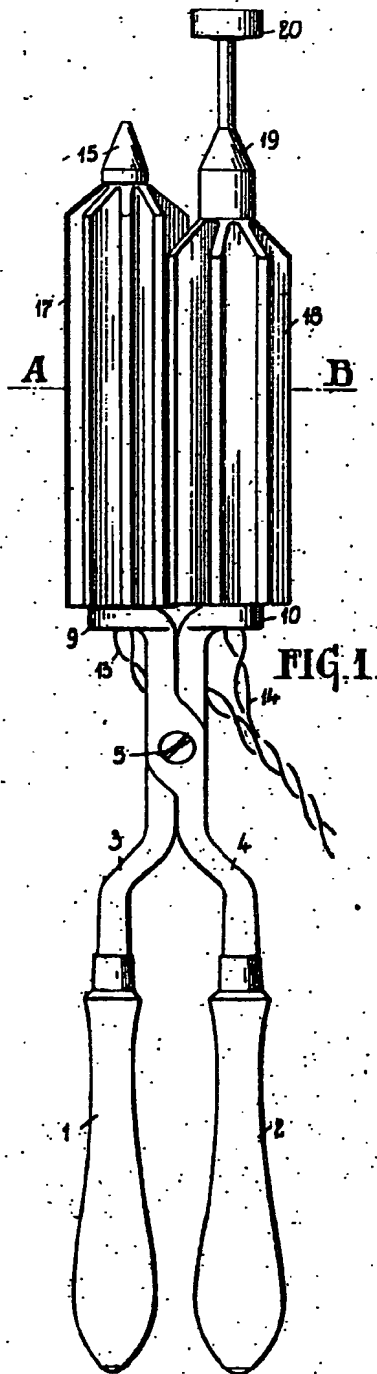


FIG. 1.

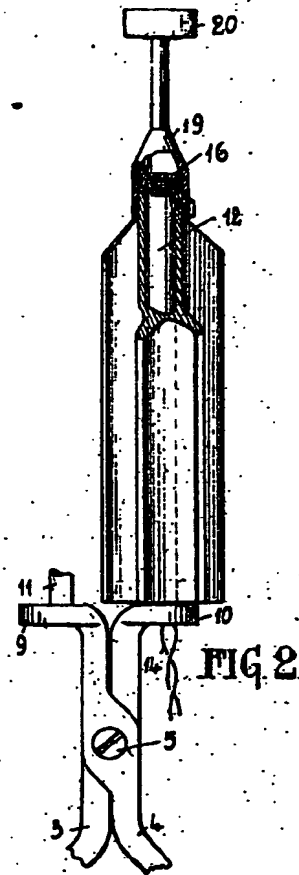


FIG. 2.



FIG. 3.



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